

National Marine Sanctuaries  
National Oceanic and Atmospheric Administration



NATIONAL MARINE  
SANCTUARIES

---

OLYMPIC COAST



# Field report for *R/V Tatoosh* and OC-2, 2015

By: Justin Ellis

# *R/V Tatoosh* History

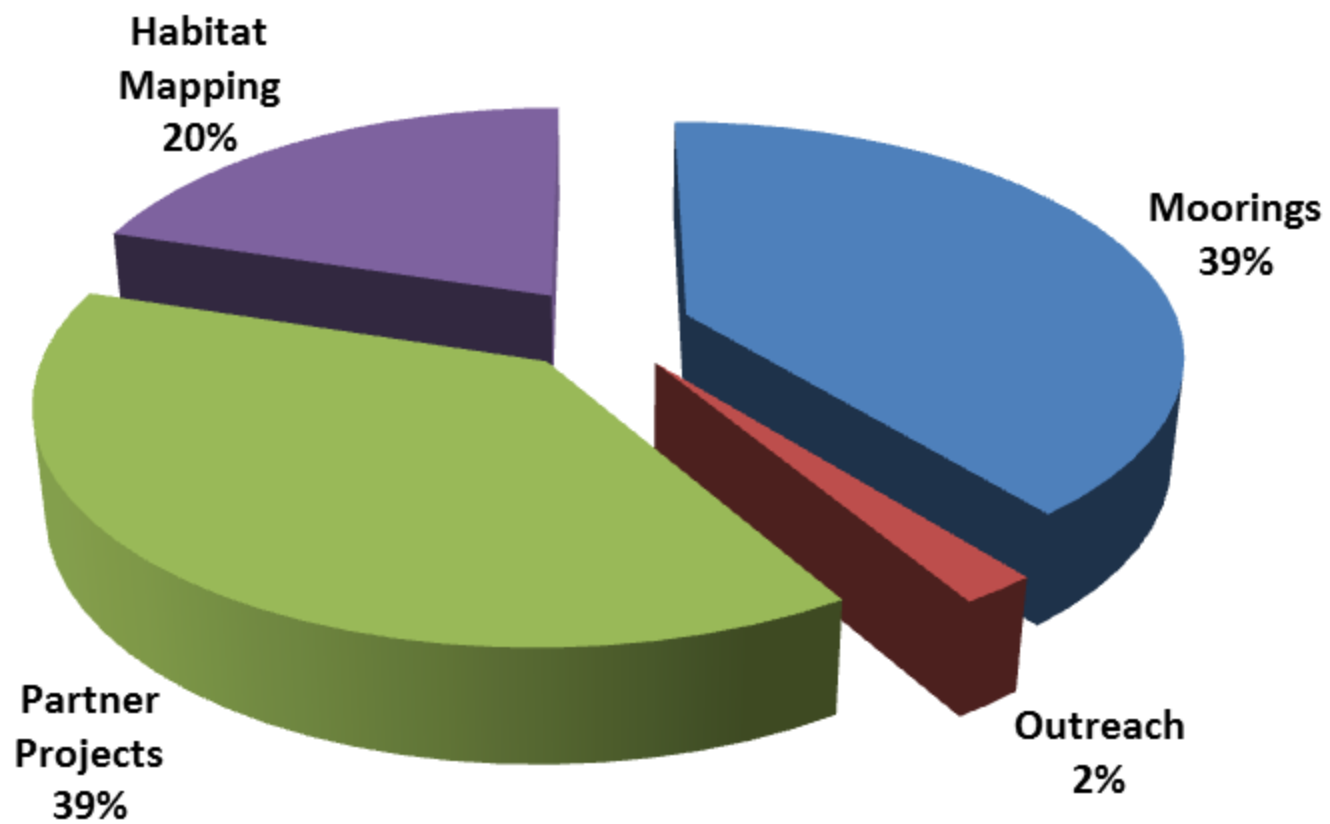
- 21 years of service
- Repower 2001
- Drive line overhaul
- Safety investments
- New inverter



# OC-2 History

- 18 years of service
- “like new” condition
- Very selective conditions and capabilities
- Tatoosh backup





# Oceanographic Moorings

- 10 sites
- DO, T, Conductivity, turbidity, currents
- Used in partner models
  - Climate change, larval dispersal, hypoxia, productivity, habs
- Winter Mooring
- Partners
- 2 Losses this year



# Multibeam System

- Equipment
- Staff training
- Support
- Wrecks
- Habitat Mapping
- Site capability
- Enforcement
- Maritime Heritage



# Education and Outreach

- ONP - RHIB
- CBC - RHIB
- Volunteers
- Smithsonian Inst.
- OCS





# NWFSC Subtidal

- Visited historical survey sites



# Plankton Monitoring

- Emergency Response
- ORHAB
- Quileute Tribe



# Cetacean Monitoring with Acoustic Recorders

- Partnership
- Recovery only
- Habitat identification for southern resident killer whales



# New Vessel



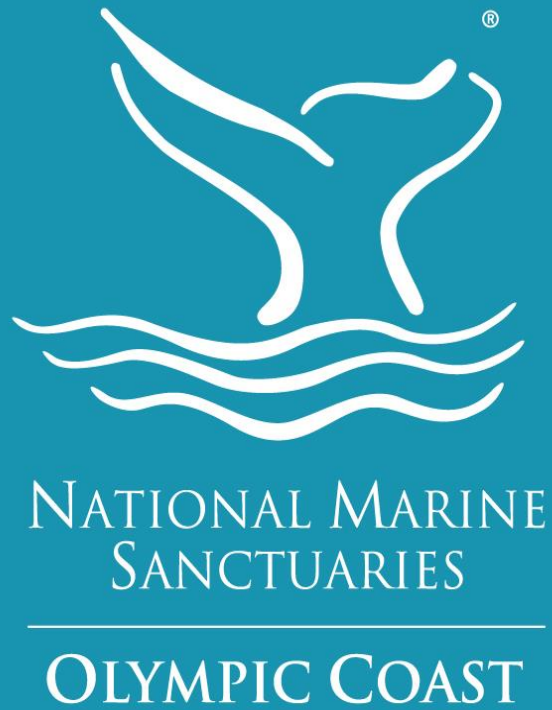
# Summary

- Support area: 3,310 square miles
- Days at sea: 51
- Project hours: 344
- Approximate cost per day: \$1,350
- Fuel: 4,175 gallons diesel
- Total Distance Run: over 2,100 NM
- Education and Outreach: multiple groups, tribes, and stakeholders
- Research: long-term monitoring projects maintained and innovative partnerships with other research organizations formed





National Marine Sanctuaries  
National Oceanic and Atmospheric Administration



<http://olympiccoast.noaa.gov>



# Justin Ellis

Olympic Coast National Marine Sanctuary

115 East Railroad Ave Suite 301

Port Angeles, WA 98363

Phone: (360)457-6622 ext. 18

Email: [voc.ocnms@noaa.gov](mailto:voc.ocnms@noaa.gov)

<http://sanctuaries.noaa.gov>